

FIG. 1A

009714621-111600

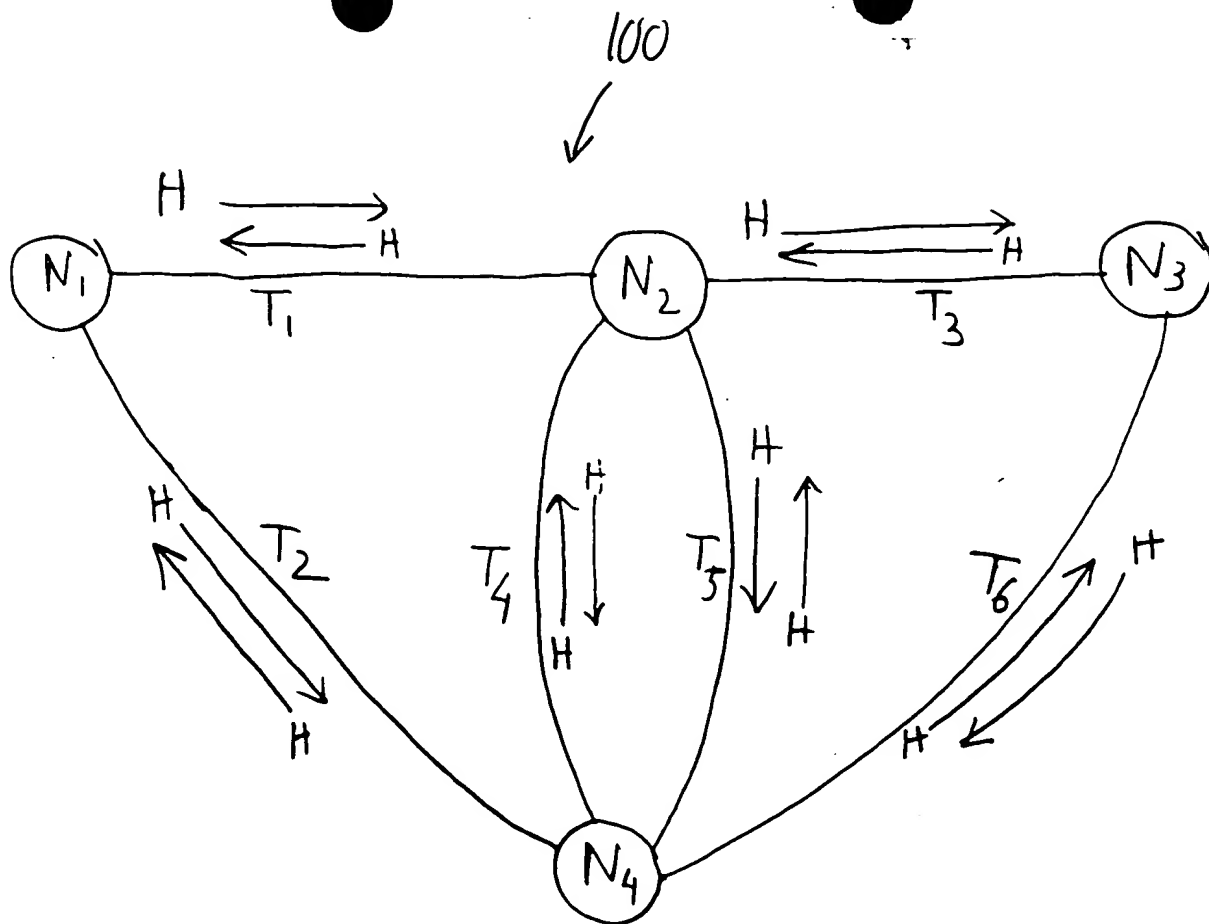


FIG. 1B

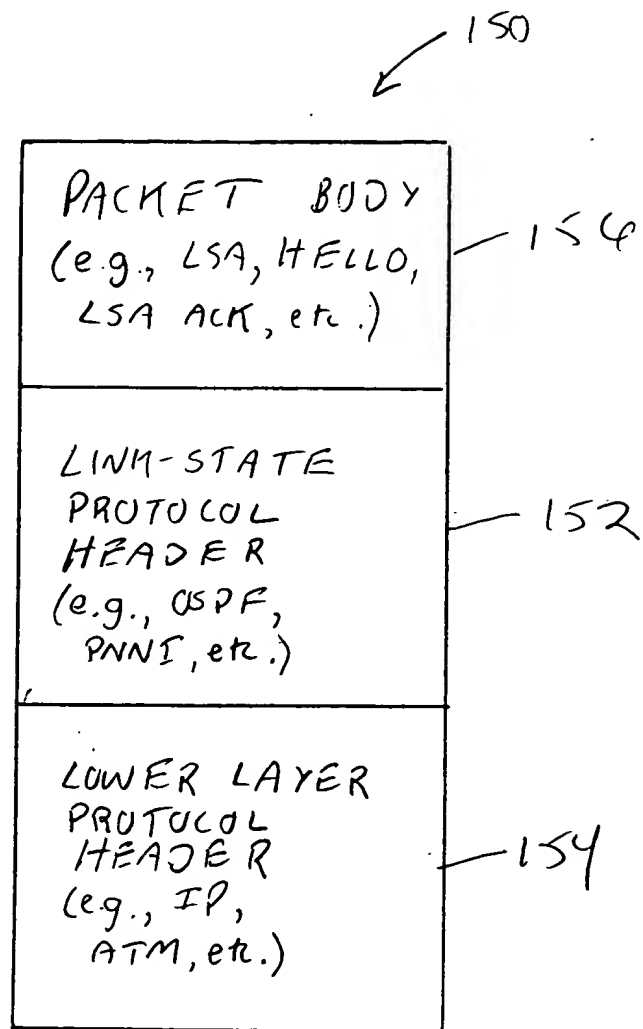


FIG. 2

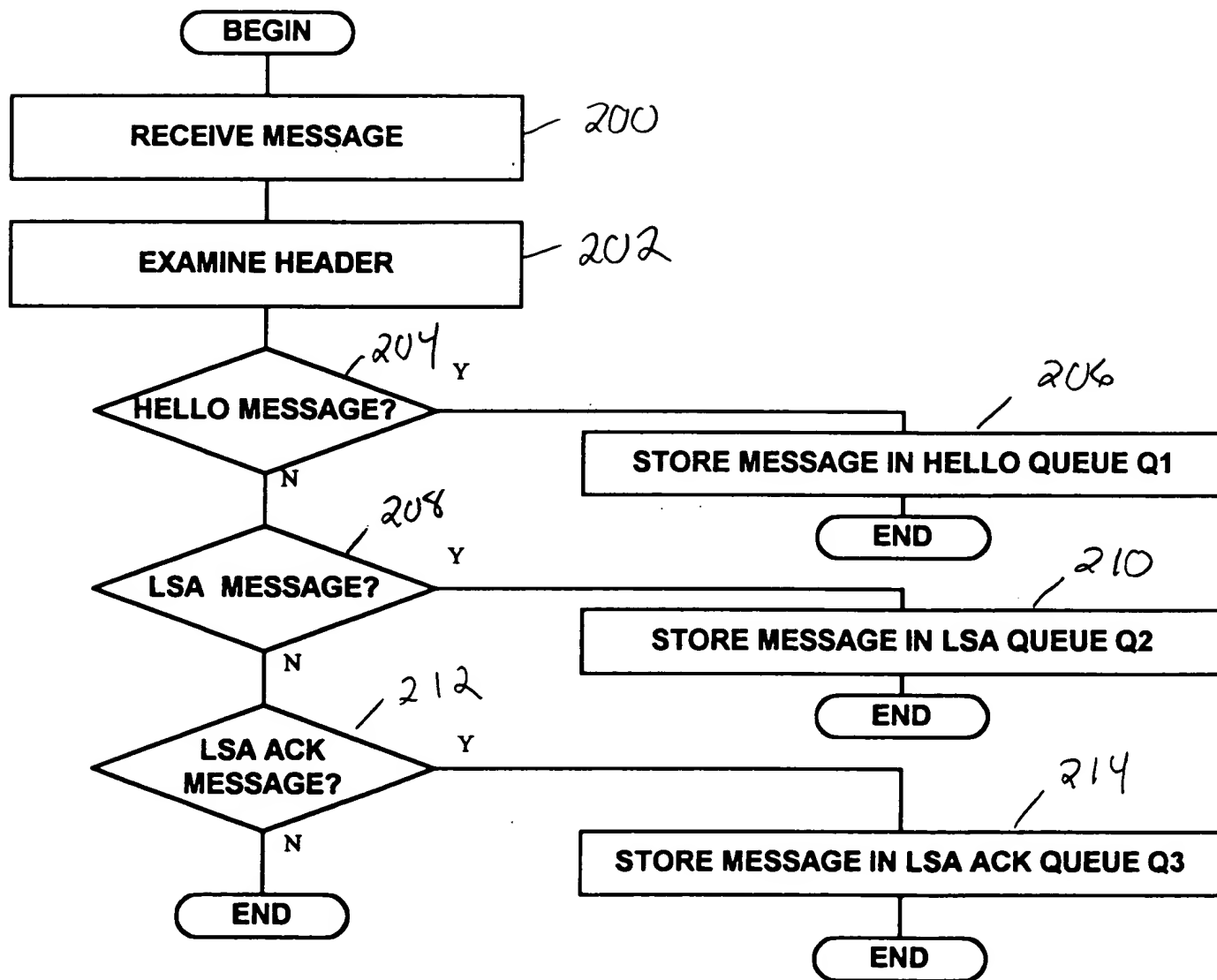


FIG. 3

BEGIN

DETERMINE WEIGHTS FOR QUEUES

GENERATE POLLING TABLE

SELECT FIRST ENTRY IN POLLING TABLE

IS THERE  
AT LEAST ONE QUEUED  
MESSAGE?

IS MESSAGE  
PROCESSING TIME LTE  
 $P_{MAX}$ ?

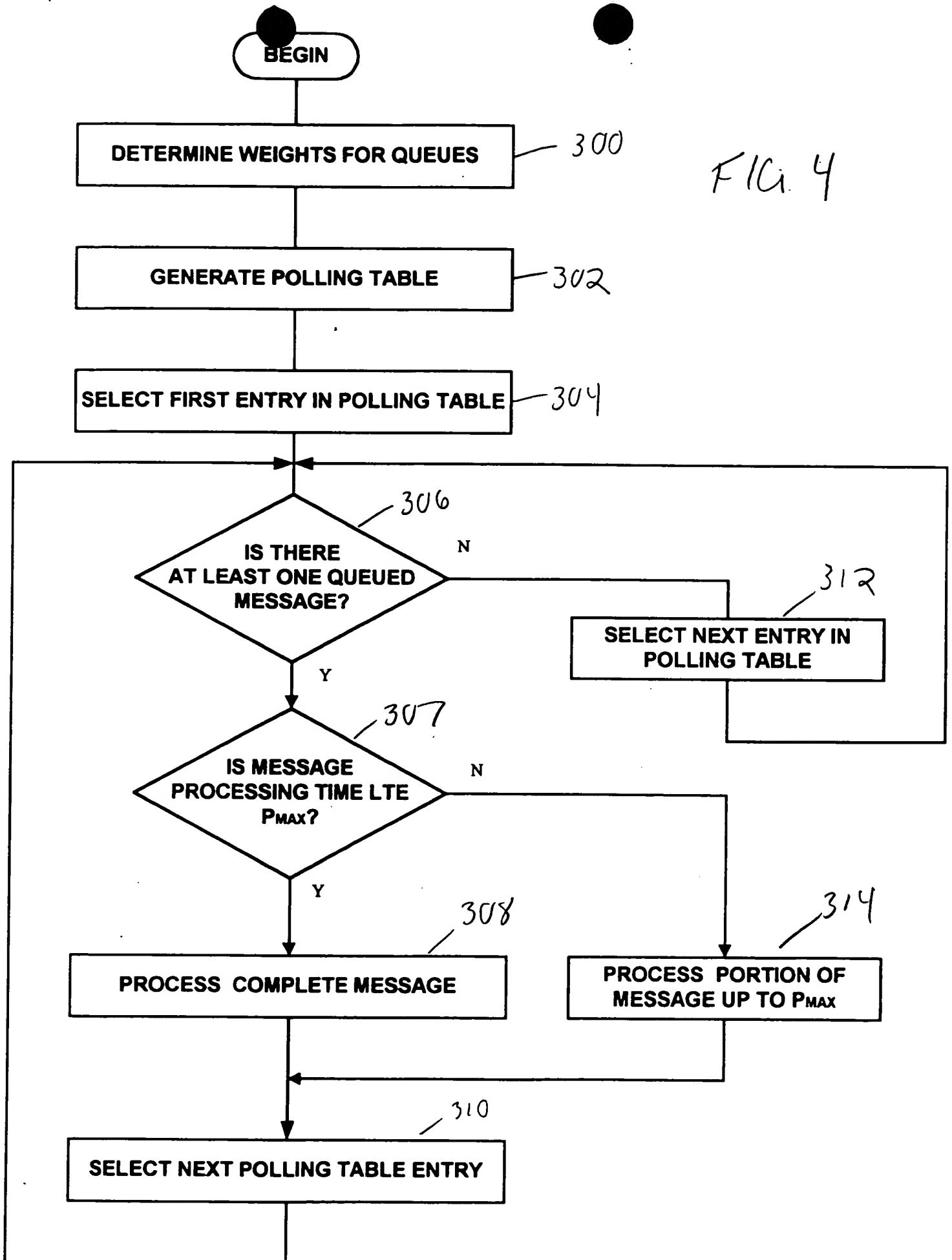
PROCESS COMPLETE MESSAGE

PROCESS PORTION OF  
MESSAGE UP TO  $P_{MAX}$

SELECT NEXT POLLING TABLE ENTRY

FIG. 4

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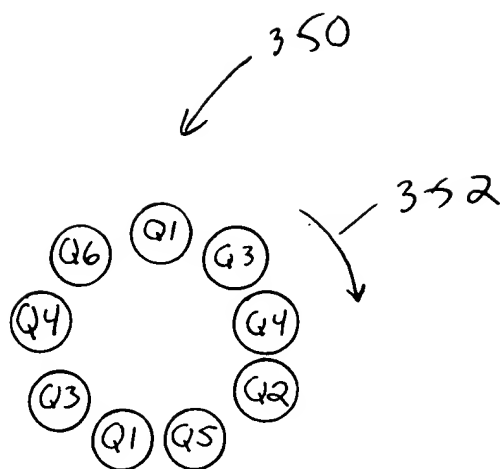


FIG. 5